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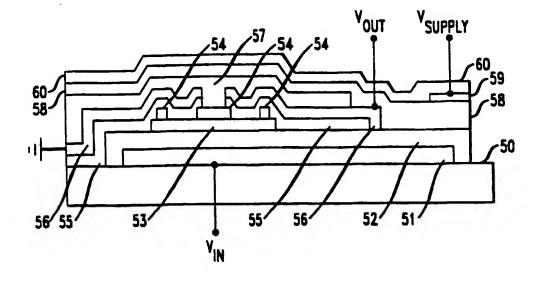
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- (54) Circuit comprising complementary thin film transistors
- (57) In preferred embodiments of the invention, the n-channel inorganic TFTs have an amorphous Si active layer (53), and the p-channel organic TFTs have α -hexathienylene (α 6T) active layer (58). Complementary

inverters according to the invention are disclosed, as is an exemplary processing sequence that can be used to manufacture integrated complementary inverters and other complementary circuits according to the invention.

FIG. 9





EUROPEAN SEARCH REPORT

Application Number

EP 97 30 0063

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indic of relevant passage	cation, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Ci.6)	
P,X	DODABALAPUR A ET AL: organic/inorganic com APPLIED PHYSICS LETTE AIP, USA, vol. 68, no. 16, ISSE pages 2246-2248, XPOU * the whole document	mplementary circuits" TRS, 15 APRIL 1996, N 0003-6951, D2055715	1,2,4-6	H01L51/20 H01L51/30 H01L27/12	
Ε	us 5 612 228 A (SHIE + column 2, line 3 - claims 1-18; figures	column 2, line 30;	1,2,4-6		
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 016 (E-872), 12 January 1989 & JP 01 259563 A (MITSUBISHI ELECTRIC CORP), 17 October 1989, * abstract *				
D,A	DODABALAPUR A ET AL: "ORGANIC HETEROSTRUCTURE FIELD-EFFECT TRANSISTORS" SCIENCE, vol. 269, 15 September 1995,			TECHNICAL FIELDS SEARCHED (Int.CI.8)	
	pages 1560-1562, XPO	·		*	
	The present search report has	been drawn up for all claims			
-	Prace of search	Date of completion of the search	-1	Examer	
3	THE HAGUE	16 February 199	8 к	önigstein, C	
Y: 40	CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category L : document of L : doc			ciple underlying the invention document, but published on, or	